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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,382	09/23/2003	Mamoru Imoto	4041J-000774	2473
27572 7	590 07/19/2004		EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828			TANNER, HARRY B	
BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER
	,		3744	
		,	DATE MAILED: 07/19/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

			$\Delta M$			
		Application No.	Applicant(s)			
		10/668,382	IMOTO, MAMORU			
	Office Action Summary	Examiner	Art Unit			
		Harry B. Tanner	3744			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
	ORTENED STATUTORY PERIOD FOR REPLY	'IS SET TO EYDIDE 2 MONTH!	S) EDOM			
THE - Exte after - If the - If NC - Failu Any	MAILING DATE OF THIS COMMUNICATION.  MAILING DATE OF THIS COMMUNICATION.  SIX (6) MONTHS from the mailing date of this communication.  Experied for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONE	ely filed will be considered timely. the mailing date of this communication. (35 U.S.C. § 133).			
Status						
1)□	Responsive to communication(s) filed on	<u>.</u> .				
2a)□	This action is FINAL. 2b)⊠ This action is non-final.					
3)[	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
:	closed in accordance with the practice under E.	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposit	ion of Claims					
4)⊠	Claim(s) <u>1-5</u> is/are pending in the application.					
:	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	Claim(s) is/are allowed.					
6)🖾	Claim(s) <u>1-5</u> is/are rejected.					
· :	Claim(s) is/are objected to.					
8)[	Claim(s) are subject to restriction and/or election requirement.					
Applicati	ion Papers					
9) The specification is objected to by the Examiner.						
10)	The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
:	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
_	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)	The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.			
Priority (	under 35 U.S.C. § 119					
12)🖂	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).			
a)[	⊠ All b)□ Some * c)□ None of:					
	1. Certified copies of the priority documents	have been received.				
:	2. Certified copies of the priority documents	have been received in Application	on No			
	3. Copies of the certified copies of the priori	ty documents have been receive	d in this National Stage			
:	application from the International Bureau	· · · · · · · · · · · · · · · · · · ·				
* 5	See the attached detailed Office action for a list of	of the certified copies not received	d.			
:						
<u>.</u>		•				
Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date 4/5/04, 9/23/03.  5) Notice of Informal Patent Application (PTO-152)  6) Other:						
S. Patent and Trademark Office						

Application/Control Number: 10/668,382

Art Unit: 3744

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Ito et al. Ito discloses a vehicle air conditioner with front and rear conditioning means in which the front blowout condition is based upon a linear model (see Fig 7) and the rear blowout condition is based upon a non-linear model (see Figs. 11 and 12).

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito et al. Ito et al discloses a vehicle in which the rear seat has two rows of seats. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Ito such that the front control model was non-linear and the rear control model was linear since the operation of the vehicle air conditioner control would be same except that the rear of the vehicle would have the primary control of temperature conditions.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ito et al as applied to claim 1 above, and further in view of Ichishi et al (6,220,517). Ichishi

teaches the use of neural network models in vehicle air conditioners in order to provide a control that learns by training data. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Ito such that it included the use of neural network models in the vehicle air conditioner in order to provide a control that learns by training data in view of the teachings of Ichishi.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ito et al as applied to claim 1 above, and further in view of Japanese reference 8-230444.

Japanese reference 8-230444 teaches the use of independent driver and passenger side temperature controls in a vehicle. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Ito such that it included the use of independent driver and passenger side temperature controls in a vehicle in view of the teachings of Japanese reference 8-230444.

Harry B. Tanner Primary Examiner

Harry Tanner July 15, 2004 703-308-2622